Discrete Mathematics
Volume 186, Numbers 1–3, 15 May 1998

Contents

Contributions

R. Balakrishnan and P. Paulraja
Hamilton cycles in tensor product of graphs 1

R. Balakrishnan, R. Sampathkumar and V. Yegnanarayanan
Extremal graphs in some coloring problems 15

J. Bevis and M. Grady
Toroidal maps of modular quotient groups 25

N.S. Bhave
Characterisation of potentially generalised bipartite self-complementary bi-graphic sequences 39

B. Bollobás and T. Szabó
The oriented cycle game 55

F. Buekenhout and M. Parker
The number of nets of the regular convex polytopes in dimension $\leqslant 4$ 69

C. Chen
Matchings and matching extensions in graphs 95

F. Forbes and B. Ycart
Counting stable sets on Cartesian products of graphs 105

T. Gangopadhyay
Packing graphs in their complements 117

R. Gill
The number of elements in a generalized partition semilattice 125

G. Greco
Capacities of graphs and 2-matchings 135

M.A. Henning
Packing in trees 145

G. Jin
The number of complete subgraphs of equi-partite graphs 157

D. Klabjan and B. Mohar
The number of matchings of low order in hexagonal systems 167

K. Kotani
k-Regular factors and semi-*k*-regular factors in graphs 177

E.R. Lamken
The existence of $KS_3(v; 2, 4)$ 195

T. Lindquester and N.C. Wormald
Factorisation of regular graphs into forests of short paths 217

A. Lukács and N. Seifter
Lattices in graphs with polynomial growth 227

Discrete Mathematics
Volume 186, Numbers 1–3, 15 May 1998

Contents

Contributions

R. Balakrishnan and P. Paulraja
Hamilton cycles in tensor product of graphs 1

R. Balakrishnan, R. Sampathkumar and V. Yegnanarayanan
Extremal graphs in some coloring problems 15

J. Bevis and M. Grady
Toroidal maps of modular quotient groups 25

N.S. Bhave
Characterisation of potentially generalised bipartite self-complementary bi-graphic sequences 39

B. Bollobás and T. Szabó
The oriented cycle game 55

F. Buekenhout and M. Parker
The number of nets of the regular convex polytopes in dimension $\leqslant 4$ 69

C. Chen
Matchings and matching extensions in graphs 95

F. Forbes and B. Ycart
Counting stable sets on Cartesian products of graphs 105

T. Gangopadhyay
Packing graphs in their complements 117

R. Gill
The number of elements in a generalized partition semilattice 125

G. Greco
Capacities of graphs and 2-matchings 135

M.A. Henning
Packing in trees 145

G. Jin
The number of complete subgraphs of equi-partite graphs 157

D. Klabjan and B. Mohar
The number of matchings of low order in hexagonal systems 167

K. Kotani
k-Regular factors and semi-*k*-regular factors in graphs 177

E.R. Lamken
The existence of $KS_3(v; 2, 4)$ 195

T. Lindquester and N.C. Wormald
Factorisation of regular graphs into forests of short paths 217

A. Lukács and N. Seifter
Lattices in graphs with polynomial growth 227

I.H. Morgan
Construction of complete sets of mutually equiorthogonal frequency hypercubes 237

S. Neufeld and R. Nowakowski
A game of cops and robbers played on products of graphs 253

B. Šešelja and A. Tepavčević
On generation of finite posets by meet-irreducibles 269

Communication

G. Gutin
A note on the cardinality of certain classes of unlabeled multipartite tournaments 277

Notes

O.V. Borodin
Triangulated 3-polytopes without faces of low weight 281

Y.-G. Chen
A theorem on harmonic sequences 287

M. Klugerman, A. Russell and R. Sundaram
On embedding complete graphs into hypercubes 289

Corrigendum

A. Brandstädt
Partitions of graphs into one or two independent sets and cliques 295
[Discrete Math. 152 (1996) 47–54]

Research problems 297

Author index to volume 186 299